



The User Densification Network



JULY 2000

The User Densification Network (UDN) comprises surveys that benefit the public and provide spatial reference for local infrastructure projects. UDN surveys must be connected by observations to Federal Base Network or Cooperative Base Network control points, in accordance with Federal Geodetic Control Subcommittee standards and specifications. When requested, NGS provides quality assurance, archiving, and distribution for UDN survey data.

UDN data must be properly formatted and furnish accuracies of at least:

- first-order horizontal accuracy standards for Global Positioning System or conventional horizontal surveys,
- second-order, class II vertical accuracy standards for conventional leveling.

Before submitting data to NGS, an organization must verify these accuracies, using NGS-approved software. The NGS responsibility for UDN is to act as the repository and distributor of spatial reference data.

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U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
National Ocean Service
National Geodetic Survey

The National Geodetic Survey (NGS) defines and manages the National Spatial Reference System, which determines position, height, distance, direction, gravity, and shoreline throughout the United States. Since 1807 NGS and its predecessor agencies have led the world in precise positioning and developed emerging technologies for the public. NGS provides its expertise and a wealth of free information, including direct access to its data base, on the World Wide Web at: www.ngs.noaa.gov

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